Providing New Borewells and CC Roads, Drains Developments in Rachenahalli and Other Adjusted Layouts.

Second and Part Bill

PMC

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RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 05-03-2021

ASSISTANT EXECUTIVE ENGINEER

BYATARAYANAPURA SUB DIVISION,

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **"PROVIDING NEW BOREWELLS AND CC ROADS, DRAINS DEVELOPMENTS IN RACHENAHALLI AND OTHER ADJUSTED LAYOUTS."**

Ref: 1. Work Order No: BBMP/EE/BTP/WO/151/2019-20

2. Job code: 006-20-000009

We are here with forwarding to Executive Engineer, Karnataka Rural Infrastructure Development Ltd,#280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010. Second & Part Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.68,72,553.64/- (Rs. Sixty Eight Lakhs Seventy Two Thousand Five Hundred Fifty Three and Sixty Four Paisa Only). First and Part bill for Rs.46,58,870.32 /- was previously submitted & the total bill amount submitted till date being Rs.1,15,31,419.56 /-(Rs. One Crore Fifteen lakhs Thirty One Thousand Four Hundred Nineteen and Fifty Six Paisa Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

RUDRAPRASAD CONSULTANTS BANGALORE

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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NAME OF WORK:-Providing New Borewells and CC Roads, Drains Developments in Rachenahalli and Other Adjusted Layouts.

Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION,BBMP, BANGALORE

Contractor/ Agency: Executive Engineer, Karnataka Rural Infrastructure Development Ltd,#280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010

Total Cost : Rs.68,72,553.64/ -

Date Of Inspection : 05-03-21

Status Of Bill : Second & Part Bill

In the Presence of : a) Assistant Engineer, Byatarayanapura Sub division, BBMP, Bangalore

b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
2	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory

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3	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
7	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
8	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory

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9	Stone dust / Grit 4.75 mm to 0.075 mm For Road Strengthening For UGD Cut portion and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
10	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
11	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
12	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
13	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications.. and as per the directions of the Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory

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